

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended). A DNA vaccine suitable for eliciting an immune response against cancer cells comprising a DNA construct operably encoding at least one ~~cancer-associated Inhibitor of Apoptosis-family protein (IAP-family protein)~~ survivin protein and at least one ~~immunoactive gene product cytokine~~ in a pharmaceutically acceptable carrier.

Claims 2-25 (cancelled).

Claim 26 (currently amended). The DNA vaccine of claim 1 wherein the DNA construct operably encoding the ~~cancer-associated IAP-family~~ survivin protein comprises ~~SEQ ID NO: 3-a polynucleotide sequence selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 26 and SEQ ID NO: 28.~~

Claim 27 (original). The DNA vaccine of claim 26 wherein the DNA construct is operably incorporated in an attenuated *Salmonella typhimurium* vector.

Claim 28 (currently amended). The DNA vaccine of claim 1 wherein the DNA construct operably encoding the ~~immunoreactive gene product cytokine~~ comprises ~~SEQ ID NO: 7-a polynucleotide sequence selected from the group consisting of SEQ ID NO: 5, SEQ ID NO: 7, SEQ ID NO: 11, SEQ ID NO: 13, SEQ ID NO: 15, SEQ ID NO: 17, SEQ ID NO: 19, and SEQ ID NO: 21.~~

Claim 29 (original). The DNA vaccine of claim 28 wherein the DNA construct is operably incorporated in an attenuated *Salmonella typhimurium* vector.

Claims 30-52 (cancelled).

Claim 53 (currently amended). The DNA vaccine of claim 1 wherein the DNA construct operably encoding the ~~cancer-associated IAP-family~~ survivin protein comprises a polynucleotide sequence represented by SEQ ID NO: 3, and wherein the DNA construct operably encoding the ~~immunoreactive gene product cytokine~~ comprises a polynucleotide sequence represented by SEQ ID NO: 7.